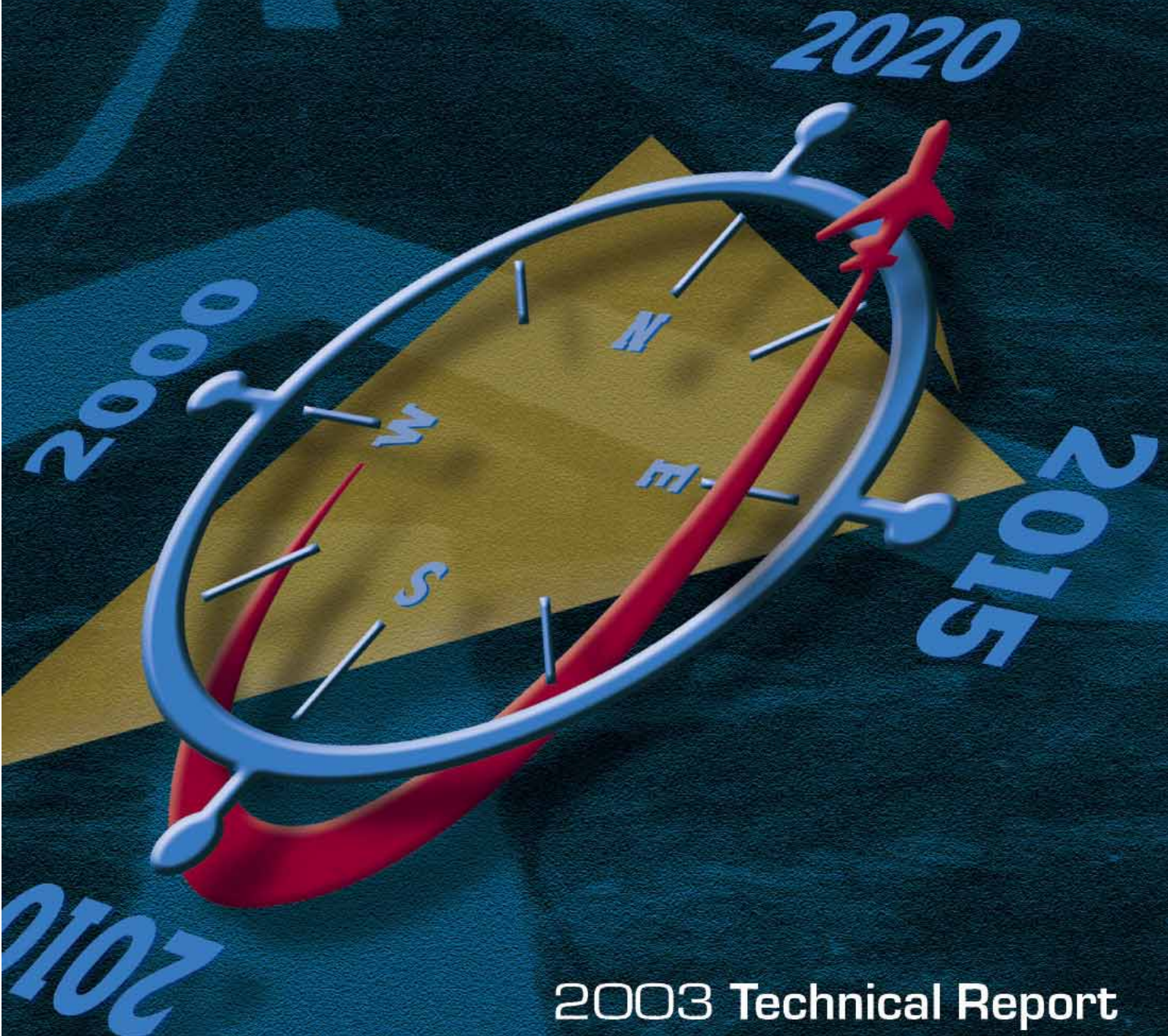


The **Virginia**

Air Transportation
System Plan Update



2003 Technical Report

In January 2000, the Virginia Department of Aviation initiated the Virginia Air Transportation System Plan (VATSP) Study Update. The Commonwealth of Virginia maintains one of the nation's most comprehensive and technologically advanced airport systems. The VATSP Update was performed to ensure that our State Airport System continues to effectively serve the needs of Virginia's residents and visitors, and provides the necessary infrastructure and technology to facilitate healthy economic development across the Commonwealth. This study provides the Department of Aviation with a blueprint to guide the future development of Virginia's airport system by identifying the type, location, timing and extent of airport development necessary to maintain an efficient, balanced, and integrated system of airports.

The goals and objectives of the VATSP Update are to:

- › · Create a strategic management plan,
- › · Document historic activity at existing facilities,
- › · Create 5-, 10- and 20-year needs assessments for each airport based on individual airport forecasts, and
- › · Identify strengths and weaknesses of the existing system and recommend solutions which increase benefits to system users, enhance the contribution of the Airport System to Virginia's economy; and minimize adverse environmental impacts.

TABLE OF CONTENTS

1. Goals, Objectives and Performance Measures	1
2. Inventory and Data Collection	4
3. Trend Analysis.....	7
4. Airport Classification	22
5. General Aviation Forecasts.....	25
6. Commercial Airport forecasts.....	60
7. Facility Requirements	70
8. Alternatives.....	112
9. Recommended System	131
10. Implementation Plan	138
Appendix A: Inventory Survey.....	162
Appendix B: Population Analysis Methodology	171